

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WATER MANAGEMENT

APS ID No. 515658
Auth ID No. 811320

For Department Use Only

FACT SHEET

NAME OF APPLICANT	American Refining Group, Inc.	PROJECT LOCATION	Foster Township, Bradford City McKean County	APPLICATION NUMBER	PA0002674
<p>This application is for a renewal of an NPDES Permit, for an existing discharge of treated industrial waste and stormwater. This is a major discharge.</p> <p>The name and mailing address are:</p> <div style="display: flex; justify-content: space-between;"><div style="width: 45%;">American Refining Group, Inc. 77 North Kendall Avenue Bradford, PA 16701</div><div style="width: 45%;">The name and site address are: American Refining Group Bradford 77 North Kendall Avenue Bradford, PA 16701</div></div> <p>The responsible official is: Steve L. Sherk, EHS Manager Telephone number is: (814) 368-1283</p> <p>The EPA Waiver is not in effect.</p> <p>A Part II Water Quality Management permit is not required at this time.</p> <p>A PPC Plan is not required. The ICP was updated in July 2009, which includes the SPCC, FRP, and PPC plan.</p> <p>ARG requested a continuation of monitoring waivers for a few of the ELG parameters along with the renewal application. Approval is given for a monitoring waiver for Phenolics, Chromium VI, and Total Chromium at Outfall 002.</p>					
RECOMMENDATION AND ACTION					
Approve- Issue by Region	Refuse	Signature			Date
X		ADAM J PESEK REVIEWING ENGINEER			DRAFT FINAL
X		DAVID G BALOG, P.E. PERMITS SECTION CHIEF			
X		JOHN A. HOLDEN, P.E. REGIONAL PROGRAM MANAGER			
<p>PERMIT CONDITIONS:</p> <div style="display: flex;"><div style="flex: 1;"><p>1. OTHER REQUIREMENTS -- Solids Disposal Temperature</p><p>2. SPECIAL (Use additional sheets if necessary) --</p></div><div style="flex: 2;"><ul style="list-style-type: none">1. Chemical Additives2. Other Permits3. Stormwater Allowance Factors4. Requirements Applicable to Stormwater Outfalls5. Stormwater Treatment Waiver and Sampling Required6. Hydrostatic Testing7. Monitoring Waiver</div></div>					

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Permit Requirements:

The draft discharge limitations are based on promulgated effluent limitation guidelines, Best Professional Judgment (BPJ), Water Quality based on criteria in Chapter 93 (WQ-93), Water Quality based on criteria in the Department's Chapter 16 (CH-16), monitoring only (MO) in order to develop a firmer database for future evaluation, discharge standards based on Chapter 95 (CH-95), or other requirements as identified in a subnote to the outfall (subnote). (BAT) Best Available Treatment, (BCT) Best Conventional Technology, (BPT) Best Practicable Technology. The basis of the following permit limits are identified in the parenthesis beside each parameter.

Outfall No. 002 River Mile Index: 12.2 Stream Code: 56932

Lat: 41° 57' 58.66" Long: 78° 37' 53.38"

Which Receives Waste From: Crude desalting and distillation process water, steam condensate, and storm water.

The proposed discharge limits are based upon a design flow of 0.45 MGD (Plant design flow) and 0.1978 MGD (long term average flow).

Parameters	Loadings (lb/day)		Concentrations (mg/l)			Monitoring	
	Monthl y Average	Daily Maximum	Monthly Average	Daily Maximum	Instant Maximum	Measurement Frequency	Sample Type
(MO) Flow (MGD)	Report	Report				Continuous	Measured
(BPT) TSS	160	249	Report	Report	243	2/Week	24-Hr Comp
(BPT) BOD5	189	355	Report	Report	286	2/Week	24-Hr Comp
(Ch. 95) Oil and Grease	57	111	15		30	2/Week	3 Grabs/24 hrs
(BAT) NH3-N	20	44	Report	Report	30	2/Week	24-Hr Comp
(BAT) COD	947	1832	Report	Report	1435	2/Week	24-Hr Comp
(BAT) Sulfide	1.07	2.36	Report	Report	1.6	2/Week	24-Hr Comp
(ELG) Chromium VI	0.11	0.24	Report	Report	0.16	**	24-Hr Comp
(MO) Arsenic	Report	Report	Report	Report		2/Month	24-Hr Comp
pH			Within limits of 6.0 to 9.0 standard units at all times			Continuous	Recorded
(ELG) Total Chromium	1.3	3.7	Report	Report	1.9	**	24-Hr Comp
(ELG) Total Phenolics	0.34	0.68	Report	Report	0.52	**	24-Hr Comp
(Ch-93)Fecal Coliform (05/01-09/30)			200/100 ml as a geometric average			1/Week	Grab

** -- See Special Condition Letter A.

Samples taken at the following location(s): Outfall 002 – (prior to mixing with any other waters).

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Outfall No. 004 River Mile Index: 11.6 Stream Code: 56932
Lat: 41° 58' 43.08" Long: 78° 37' 30.76"

Which Receives Waste From: NCCW, boiler blowdown and stormwater.

The proposed discharge limits are based upon a design flow of 0.012 MGD (Plant design flow) and 0.0159 MGD (long term average flow).

Parameters	Loadings (lb/day)		Concentrations (mg/l)			Monitoring	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Instant Maximum	Measurement Frequency	Sample Type
(MO) Flow (MGD)	Report	Report				Continuous	Measured
(BPJ) TSS	Report	Report	40	80	100	1/Week	Grab
(Ch. 95) Oil and Grease	1.5		15		30	1/Week	Grab
(BPT) TOC		0.50		5.0	6.2	1/Week	Grab
pH			Within limits of 6.0 to 9.0 standard units at all times			1/Week	Grab

Samples taken at the following location(s): Outfall 004 (prior to mixing with any other waters).

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Outfall No.	005	Stream Code: 56932	Lat:	41° 57' 49.1"	Long:	78° 37' 8.73"
Outfall No.	007	Stream Code: 56932	Lat:	41° 58' 17.78"	Long:	78° 37' 24.2"
Outfall No.	008	Stream Code: 56932	Lat:	41° 58' 26.77"	Long:	78° 37' 26.98"
Outfall No.	009	Stream Code: 56932	Lat:	41° 58' 42.87"	Long:	78° 37' 30.43"
Outfall No.	010	Stream Code: 56932	Lat:	41° 58' 48.88"	Long:	78° 37' 18.15"
Outfall No.	012	Stream Code: 56932	Lat:	41° 57' 55.7"	Long:	78° 37' 59.19"

Which Receives Waste From: Stormwater from industrial areas.

The proposed discharge limits are based upon a design flow of N/A MGD.

Parameters	Loadings (lb/day)		Concentrations (mg/l)			Monitoring	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Instant Maximum	Measurement Frequency	Sample Type
(MO) Flow (MGD)	Report					2/6 Months	Estimate
(BPJ) TSS			XX		XX	2/6 Months	Grab
(Ch 95) Oil and Grease			15		30	2/6 Months	Grab
(BPT) TOC				110	138	2/6 Months	Grab
pH			Within limits of 6.0 to 9.0 standard units at all times			2/6 Months	Grab

These discharges shall consist solely of stormwater runoff.

Samples taken at the following location(s): Stormwater Outfalls prior to mixing with any offsite wastestreams.

Outfall No.	006	Stream Code: 56932	Lat:	41° 58' 1.57"	Long:	78° 37' 43.1"
Outfall No.	011	Stream Code: 56932	Lat:	41° 57' 44.8"	Long:	78° 38' 11.49"

Which Receives Waste From: Stormwater not associated with industrial activities

The proposed discharge limits are based upon a design flow of N/A MGD.

Parameters	Loadings (lb/day)		Concentrations (mg/l)			Monitoring	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Instant Maximum	Measurement Frequency	Sample Type

These outfalls shall be composed entirely of non-polluting storm water runoff in accordance with Special Condition No. 4

Visual inspections shall be taken at the following location(s): storm drains prior to mixing with any other waters.

The receiving waters are Tunungwant Creek (002, 004, 005, 006, 007, 008, 009, 011, and 012) and Foster Brook (010). The receiving streams are in State Water Plan 16-C and is classified for the following uses: Tunungwant

Creek – Warm water fishes, aquatic life, water supply and recreation and Foster Brook – Cold water fishes, aquatic life, water supply and recreation. The nearest downstream potable water supply is considered the PA/NY state border located on Tunungwant Creek and is approximately 3 miles below the point of discharge.

Future compliance status with draft permit limits: The permittee should be able to meet these limits based on NPDES application data/other/existing WQM permit/ and submitted DMRs.

ARG currently has a separate PAG108308 general permit for the discharge of hydrostatic testing water which they indicated their desire to combine with this IW permit during the renewal process. A special condition is being added to the permit to allow for the discharge of this waste stream along with monitoring requirements to be reported on a supplemental form that will be included with the final permit issuance.

A total of 15 chemical additives were reported for use at Outfall 002 and/or 004. A review of current usage data and toxicology information indicates that all these additives are safe for use. It should be noted that these additives were evaluated on an individual basis and any cumulative effect they may have is not known.